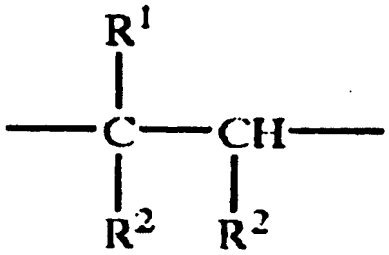
polymer layer) (16) containing electron acceptors are disclosed in Kelley. The Examiner states that electron acceptor is a π-conjugate molecule composed of ethylene molecule (col. 5, line 25 - col. 6, line 25, molecules is comprised of ethylene), and many variations are disclosed in U.S. Patent No. 6,433,359.

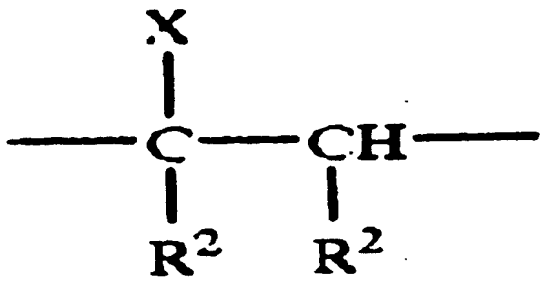
Claim 1 recites an organic FET. As to col. 2, line 62, numerical reference (16) indicates "nonfluorinated polymer layer." According to columns 5 and 6 in D1, π-conjugate molecule is NOT disclosed in this portion. That is, the Examiner's analysis is wrong because according to col. 5, lines 33-52, "The polymeric layer may comprise a polymer having interpolymerized units according to the formula:

[formula (1)]



in an amount from about 50 to 100% of interpolymerized units according to Formula 1, and from 0 to about 50% of said interpolymerized units according to the formula:

[formula (ll],



And according to col. 6, lines 51-54 of Kelley, copolymers, such as block, random, and alternating, are also useful in the polymeric layer described in this invention. Useful copolymers comprise inter-polymerized units of Formula (l) and optionally Formula (11).

Each Carbon in Formulas (1) and (11) has four "single bonds" around itself. On the other hand, the "π-conjugate system" is made of at least two pairs of "double-bonded Carbons" and one "single bond" bridging the pairs. The π-conjugate system cannot be derived from the bonding of the polymers of Formulas (1) and (11). Accordingly, Kelley fails to teach or disclose each and every feature of claim 1.

With respect to claim 2, the passage relied upon by the Examiner as disclosing the features of claim 2 does not disclose a half-wave reduction potential of -0.46V or higher. Accordingly, Kelley fails to teach or disclose each and every feature of claim 2.

With respect to claim 4, as discussed in our arguments to claim 1, Kelley does not disclose a π-conjugate system. Accordingly, Kelley fails to teach or disclose each and every feature of claim 4.

For at least these reasons, independent claim 1 and its dependent claims are patentable over the applied references. Thus, withdrawal of the rejections of the claims is respectfully requested.